

**Module D**  
**Adding and Subtracting Signed Numbers**

1.  $-13+3$

2.  $-13+(-3)$

3.  $13+(-3)$

4.  $-65+31$

5.  $-(-3+-5)$

6.  $8+(-5)+(-2)+1$

7.  $-9.6+8.2$

8.  $-\frac{2}{5}-\frac{1}{3}$

9.  $-2+\frac{3}{7}+1-\frac{1}{2}$

10.  $-12.8+0.32-1.47$

11.  $16-(-2.7)-0.56$

12.  $-\left(6-7\frac{2}{3}\right)$

13.  $-5-(-5)+5$

14.  $14-16-18+20$

15.  $\frac{3}{8}+\frac{1}{4}-6-\frac{3}{4}$

**Module D**  
**Exponents, Multiplying, and Dividing Signed Numbers**

1.  $(-5)(4) =$

2.  $-1(-6) =$

3.  $15 \div -3 =$

4.  $-5 \div -5 =$

5.  $\frac{75}{-25} =$

6.  $\frac{-9}{-1} =$

7.  $(-4)^2 =$

8.  $-3(-2)(-3) =$

9.  $5(-2)(-4) =$

10.  $(-1)^{50} =$

11.  $-3^2 =$

12.  $\frac{0}{-16} =$

13.  $-(5)^2$

14.  $(-10)^4$

15.  $-2 \cdot \left(\frac{3}{4}\right)\left(-\frac{7}{9}\right)$

16.  $\frac{16.24}{-0.8}$

17.  $(-1.24)(-1000)$

18.  $\frac{-18.7}{-100}$

19.  $(-0.3)^2$

20.  $-\left(\frac{2}{3}\right)^3$

**Module D**  
**Absolute Value and Order of Operations**

1.  $2^2 - 3^2 =$

2.  $|-3 - 5|$

3.  $|-5(-6)| =$

4.  $-6 - 4|-3|$

5.  $\frac{1-2^3}{7} =$

6.  $5^2 - (-9 - 3) =$

7.  $-6|-4| =$

8.  $-3(2^2)4 =$

9.  $-4^2 + 4^2 =$

10.  $|-6 - 9| =$

11.  $\frac{-6-6}{-2-2} =$

12.  $6 + \frac{25}{-5} + 6 \cdot 3 =$

13.  $3 - 5(2) + 1 =$

14.  $4 - 5(2) \div 2 =$

15.  $5 - 15 \div 3 + 1 \cdot 2 =$

16.  $12 - 2[1 - (-8 + 2)] =$

17.  $-[9 - (9 - 12)^2] =$

18.  $-3 - 4|6 - 7|^3 =$

19.  $\frac{2}{3} - 5\left(\frac{1}{5} - \frac{3}{10}\right)$

20.  $6.2 - 1.4(-3 - 1.2)^2$

**Module D**  
**Cumulative Review**

1. Round -53.2072 to the nearest hundredth.
2.  $\left(\frac{2}{3}\right) \cdot \left(\frac{15}{-8}\right) - 6$
3. Divide -45.974 by 1.81.
4.  $2\frac{4}{5} - 3\frac{2}{3}$
5.  $-6 + 2(-12 + 20)$
6. Find  $\frac{2}{5}$  of the product of 4 and -10.
7.  $\frac{3 - 5(2)}{16 - 4^2}$
8.  $\left(-3\frac{1}{4}\right) \div \frac{3}{8}$
9. Find the prime factorization of 140.
10. What is the LCM of 8 and 20?
11. Place the following on a number line:  $-2.4$ ,  $\frac{1}{3}$ ,  $\frac{-12}{-6}$ ,  $-\frac{5}{4}$
12. Insert  $<$ ,  $>$ , or  $=$ :  $-3^2$   $-(-10+1)$ ?
13. Insert  $<$ ,  $>$ , or  $=$ :  $-0.45$   $-\frac{1}{2}$
14.  $12 - (-4)^2$
15.  $3(-5) - 2^3$

16.  $-\frac{4}{5} + \frac{3}{10}$

17.  $-8.1 - 1.04$

18.  $12 - 1.5 + 2.01$

19.  $-\frac{1}{4} + \frac{2}{3}\left(\frac{1}{2}\right)$

20.  $(2.1)^2 - 4(1.3)$

21.  $1.8(-2) \div (-3^2)$

22.  $3(-1.8) - 2(0.9)$

23.  $\left(-\frac{2}{3}\right)^2 - \left(\frac{1}{3}\right)^2$

24.  $\frac{3(-5) - (-4)(-2)}{-7^2 + (-7)^2}$

25. On a number line, what is the distance between the following pairs of numbers?

A. -5 and -23

B. 14.6 and 37.1

C. -15 and 12

D. 10.8 and -57.3